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PATENT  
P56843

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

JUNE-SEO LEE

Serial No.: 10/642,233

Examiner: LY, NGHI H

Filed: 18 August 2003

Art Unit: 2686

For: WIRELESS NETWORK SYSTEM CAPABLE OF TRACKING A LOCATION OF  
A MOBILE STATION AND A METHOD FOR TRACKING A LOCATION OF  
THE MOBILE STATION

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCE:**

- International Patent Publication No. 00/38467 to Carlsson, entitled *METHODS AND APPARATUS FOR TRANSFERRING POSITION DATA BETWEEN TERMINALS IN WIRELESS COMMUNICATIONS SYSTEM*, published on 29 June 2000 (with English abstract).
- International Patent Publication No. 02/21873 to Yamamoto, *et al.*, entitled *LOCATION INFORMATION PROVIDING APPARATUS, COMMUNICATION TERMINAL, MOBILE COMMUNICATION TERMINAL AND LOCATION INFORMATION PROVIDING METHOD*, published on 14 March 2002 (with English abstract).
- Japanese Patent Publication No. 10-174145 to Maehashi, *et al.*, entitled *DIGITAL*

*CORDLESS SYSTEM FOR PRIVATE BRANCH OF EXCHANGE*, published on 26 June 1998 (with English abstract).

- Japanese Patent Publication No. 2000-341793 to Shomura, entitled *CLOSED BOX TYPE PLANE SPEAKER*, published on 8 December 2000 (with English abstract).

**OTHER DOCUMENTS:**

- Japanese Office action for Japanese Patent Application No. 2003-296680, issued on 11 April 2006.

**DISCUSSION**

**Carlsson WO'467**, according to the Japanese Office action in applicant's Japanese patent application Serial No. 2003-296680, discloses that techniques for ascertaining the geographic position of users and terminals in a wireless communications system are used, for example, by operations personnel in performing system maintenance and by emergency personnel in locating lost or injured individuals. According to an exemplary method of requesting and obtaining user position information, user terminals in a wireless communications system routinely transmit position information to mobile switching centers in the system, and the mobile switching centers maintain up-to-date terminal position information in visiting location registers. Requests for user position information are routed to a home location register which in turn routes terminal position requests to mobile switching centers with which the target users are registered. Terminal position information is retrieved from the appropriate visiting location registers and sent back to the requesting parties with a minimum of system traffic.

**Yamamoto WO'873**, discloses that a location information service server selects a positioning system that is the most suitable for a positioning quality condition received from a terminal requesting the positioning when a mobile device designated as the object to be positioned can be positioned by any one of a plurality of positioning systems. The location information service server acquires, from a positioning center, location information of the mobile device based on the

selected positioning system, and transmits the acquired location information to a terminal designated as a destination.

**Maehashi JP'145**, discloses that in the digital cordless system for private branch of exchanges where at least two private branch of exchanges A, B are interconnected via a signal line 7 and communication from a mobile terminal 4 in addition to an extension terminal 2 is attained, a main storage device 6 connecting to the private branch of exchanges A, B is provided with a routing information management table 10 to store information to set a speech path with respect to the mobile terminal 4 when the mobile terminal 4 is moved in the device 6 connected with the private branch of exchanges A, B and the private branch of exchanges A, B set up a speech path based on the information stored in the routing information management table 10.

**Shomura JP'793**, discloses that a quadrilateral box type speaker casing 16 whose front is opened and a plate-like diaphragm 12 slightly smaller than the front aperture part are mutually connected by a quadrilateral frame-like dumper 17 to closed the casing 16, the MS speaker driver 13 obtained by winding an exciting coil 15 around the outer periphery of a thin plate-like MS element 14 to be mangetostrictively deformed in the direction almost rectangular to a magnetic field applying direction upon receiving an external magnetic field is arranged in the casing 16 to vibrate the diaphragm 12. Since the diaphragm 12 is driven by the MS element 14 including an MS horizontal effect to be extended/ contracted in the direction almost rectangular to the magnetic field applying direction, sound pressure can be improved and the thickness of the whole speaker can be reduced.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,

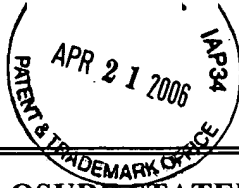
A handwritten signature in black ink, appearing to read 'R. E. Bushnell', is written over a horizontal line.

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**INFORMATION DISCLOSURE STATEMENT****PTO-1449 (PAGE 1 OF 1)**

SERIAL NUMBER 10/642,233

DOCKET NO. P56843

APPLICANT JUNE-SEO LEE

FILING DATE 18 August 2003

GROUP 2686

**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS****TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	WO 00/38467	06/00	WIPO			Abstract	
	WO 02/21873	03/02	WIPO			Abstract	
	JP 10-174145	06/98	JAPAN			Abstract	
	JP 2000-341793	12/00	JAPAN			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

Japanese Office Action of the Japanese Patent Application No. 2003-296680, mailed on 11 April 2006

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.